

Executive Summary Report

SMOG CHECK Statewide

Second Quarter 2009

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,589,479	321,247	12.41%
Total	2,987,499	410,761	13.75%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,231,881	86.19%	357,598	13.81%
Total	2,526,519	84.57%	460,980	15.43%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,355,541	86.12%	218,513	13.88%
Total	1,543,335	85.23%	267,476	14.77%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	48,712	1.88%
All Emissions	160,349	6.19%
All Visual	38,968	1.50%
All Functional	185,889	7.18%
OBDII	115,083	4.44%
Overall	321,247	12.41%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	2,082,300	260,799	12.52%	38,949	1.87%
Partially Enhanced	127,492	18,694	14.66%	2,771	2.17%
Basic	235,730	26,912	11.42%	4,461	1.89%
Change of Ownership	15,982	2,428	15.19%	622	3.89%
No Program	20	6	30.00%	0	0.00%
Unknown Program	127,955	12,408	9.70%	1,909	1.49%
Total Program Area	2,589,479	321,247	12.41%	48,712	1.88%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,574,054	214,426	13.62%	34,299	2.18%
Regular	762,217	67,656	8.88%	8,378	1.10%
Basic Area Dealer	13,177	633	4.80%	54	0.41%
Gold Shield in Enhanced Area	179,020	29,267	16.35%	4,324	2.42%
Gold Shield in Basic Area	32,372	4,907	15.16%	931	2.88%
Gold Shield in COO Area	13,794	1,966	14.25%	472	3.42%
Business Fleet	28	0	0.00%	0	0.00%
Permanent Fleet Registered	88	14	15.91%	2	2.27%
Referee	2,540	1,366	53.78%	174	6.85%
Government Fleet	12,188	1,012	8.30%	78	0.64%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	2,589,479	321,247	12.41%	48,712	1.88%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	840,510	756,153
Directed Vehicles	733,544	599,388
Total	1,574,054	1,355,541

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	167,112	143,399
Directed Vehicles	58,074	43,594
Total	225,186	186,993

6. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-0	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1960	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1964	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1969	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1970	3	1	33.33%	0.00%	0.00%	0.00%	33.33%	0.00%
MY-1972	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	5	2	40.00%	40.00%	0.00%	0.00%	0.00%	0.00%
MY-1975	30	14	46.67%	30.00%	16.67%	30.00%	16.67%	0.00%
MY-1976	4,214	1,253	29.73%	19.79%	9.21%	17.42%	8.33%	0.00%
MY-1977	5,562	1,676	30.13%	18.43%	8.09%	18.97%	8.59%	0.00%
MY-1978	6,420	1,973	30.73%	18.57%	9.42%	19.81%	8.91%	0.00%
MY-1979	6,659	2,137	32.09%	21.02%	10.80%	20.44%	8.79%	0.00%
MY-1980	4,107	1,202	29.27%	20.48%	10.84%	17.26%	8.50%	0.00%
MY-1981	5,105	1,564	30.64%	23.21%	11.13%	17.83%	8.81%	0.00%
MY-1982	5,695	1,672	29.36%	22.18%	10.48%	16.26%	7.83%	0.00%
MY-1983	8,334	2,373	28.47%	21.99%	10.50%	16.20%	7.42%	0.00%
MY-1984	14,482	4,501	31.08%	24.20%	11.88%	17.34%	7.41%	0.00%
MY-1985	19,367	5,678	29.32%	22.32%	10.47%	16.12%	6.72%	0.00%
MY-1986	26,888	7,423	27.61%	20.03%	9.26%	15.96%	5.69%	0.00%
MY-1987	31,704	8,912	28.11%	21.18%	8.77%	15.09%	5.24%	0.00%
MY-1988	39,232	10,345	26.37%	19.37%	7.73%	14.48%	4.77%	0.00%
MY-1989	51,754	12,436	24.03%	17.02%	6.48%	13.50%	3.90%	0.00%
MY-1990	63,260	14,480	22.89%	16.49%	5.79%	12.31%	3.40%	0.00%
MY-1991	73,324	15,917	21.71%	15.62%	5.29%	11.59%	2.88%	0.00%
MY-1992	75,099	15,302	20.38%	14.37%	4.68%	10.61%	2.67%	0.00%
MY-1993	88,492	19,873	22.46%	16.87%	4.19%	10.46%	2.71%	0.00%
MY-1994	99,866	20,259	20.29%	14.08%	3.28%	10.07%	2.55%	0.00%
MY-1995	146,439	23,770	16.23%	10.79%	2.43%	7.80%	2.06%	0.00%
MY-1996	98,545	18,819	19.10%	8.23%	1.43%	10.88%	1.61%	12.84%
MY-1997	187,389	25,348	13.53%	5.13%	0.85%	7.87%	1.05%	9.26%
MY-1998	140,152	18,164	12.96%	4.17%	0.74%	7.93%	1.00%	9.56%
MY-1999	256,401	21,382	8.34%	2.00%	0.39%	5.33%	0.70%	6.47%
MY-2000	133,228	13,506	10.14%	2.07%	0.52%	6.64%	0.74%	8.29%
MY-2001	356,598	23,928	6.71%	0.77%	0.16%	4.78%	0.47%	5.81%
MY-2002	99,415	7,026	7.07%	0.92%	0.24%	4.76%	0.52%	6.07%
MY-2003	392,432	15,852	4.04%	0.37%	0.10%	2.89%	0.29%	3.46%
MY-2004	43,376	1,608	3.71%	0.41%	0.09%	2.49%	0.30%	3.08%
MY-2005	50,149	1,594	3.18%	0.28%	0.06%	2.14%	0.20%	2.70%
MY-2006	21,639	608	2.81%	0.23%	0.08%	1.84%	0.27%	2.27%
MY-2007	15,321	365	2.38%	0.18%	0.03%	1.51%	0.18%	2.00%
MY-2008	14,286	205	1.43%	0.13%	0.01%	1.04%	0.10%	1.17%
MY-2009	4,433	78	1.76%	0.59%	0.02%	1.02%	0.45%	1.04%
MY-2010	68	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,589,479	321,247	12.41%	6.19%	1.88%	7.18%	1.50%	4.44%

7. Referee Activity

	Certificates Issued
Certificate of Compliance	1,906
Certificate of Non Compliance	4
Parts Cost	397
Hardship Extensions	1,166
Exempt Vehicle	136
Exempted by Directive	367
Parts Exemption	31
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	4,007

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,053
Stations Locked-Out at Least Once	318
Stations Conducted at Least One Test	7,318

9. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,484	5,996
EA	Gas Endorsement	10	0
EB	Both Endorsement	56	0
EB	Gas Endorsement	526	0
EU	Both Endorsement	1	0
GU	Both Endorsement	20	0

10. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	1,380,611	48.90	172,502	49.90	1,553,113	49.01
Test and Repair	496,976	47.00	255,582	47.01	752,558	47.00
Test and Repair Dealer	83	83.10	13,094	52.10	13,177	52.30
Referee	982	30.00	374	30.00	1,356	30.00
Gold Shield in Enhanced Area	148,688	48.40	29,932	47.85	178,620	48.31
Gold Shield in Basic Area	882	63.27	31,490	39.44	32,372	40.09
Gold Shield in COO Area	685	62.51	13,109	50.65	13,794	51.23

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	22,925	21.96	73,532	211.43
	\$51-150	18,211	100.59		
	\$151-250	11,087	200.10		
	\$251-450	12,526	337.18		
	Over \$450	8,783	770.79		
CAP Repairs	\$0-50	431	23.26	14,803	396.34
	\$51-150	811	105.46		
	\$151-250	1,548	206.55		
	\$251-450	4,891	355.85		
	Over \$450	7,122	521.09		
Total Repairs	\$0-50	19,094	22.09	76,684	279.25
	\$51-150	14,426	100.34		
	\$151-250	10,875	201.31		
	\$251-450	15,699	343.42		
	Over \$450	16,590	721.16		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	13,850	396.34

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	20	8	2	0	3	6	4	0
Acceleration Simulation Mode (ASM)	Basic	Referee	1	2	0	1	1	1	1	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	122	20	2	0	6	13	9	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	87	20	4	0	6	13	11	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in COO Area	0	1	0	1	0	1	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	20	2	1	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	598	115	17	5	32	59	62	22
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	513	92	10	10	29	48	55	15
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	106,686	22,045	3,161	1,146	7,808	11,167	12,639	2,818
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	255	12	4	141	81	133	9
Acceleration Simulation Mode (ASM)	Enhanced	Referee	640	697	122	280	179	347	310	356
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	358,576	32,077	3,193	1,631	17,670	11,815	20,010	3,160
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	25	2	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,127,763	189,115	30,159	10,682	59,383	105,633	106,143	22,953
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	3	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	9	4	0	0	0	3	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	118	41	10	2	13	23	28	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	27	10	1	2	2	8	5	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	10,666	2,595	391	138	845	1,326	1,528	301
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	17	3	0	8	9	6	0
Acceleration Simulation Mode (ASM)	Partial	Referee	46	67	7	37	13	31	32	45
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	52,568	9,174	1,260	529	2,861	4,898	5,169	1,136

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	46	4	1	0	2	2	2	1
Acceleration Simulation Mode (ASM)	Partial	Test Only	31,730	5,657	890	318	1,671	3,212	3,071	623
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	28	12	0	0	6	5	8	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,617	888	153	74	369	468	486	143
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	640	53	4	122	466	173	3
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	80	41	5	18	10	18	22	23
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	34,511	3,242	451	213	1,525	1,489	1,842	415
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair Dealer	5	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	34,743	4,845	829	353	1,947	2,621	2,711	680
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	23,923	4,341	828	328	1,325	1,627	2,778	680
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	1,172	170	37	5	55	69	99	15
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	8,298	1,557	220	106	532	484	896	317
Two Speed Idle (TSI)	Basic	Government Fleet	0	17	1	0	11	3	14	0
Two Speed Idle (TSI)	Basic	Referee	102	104	20	48	23	32	64	63
Two Speed Idle (TSI)	Basic	Test and Repair	137,013	16,748	2,647	917	5,605	5,681	11,083	1,996
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	9,718	531	48	22	219	123	363	73
Two Speed Idle (TSI)	Basic	Test Only	23,367	3,352	652	199	1,210	1,308	2,013	460
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	180	63	13	7	17	26	41	11
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,563	1,145	309	91	253	583	674	168
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	455	114	34	13	25	58	67	24
Two Speed Idle (TSI)	Change of Ownership	Referee	12	27	10	14	6	17	16	22
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	4,522	638	124	59	221	271	398	104
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	79	6	1	0	2	2	5	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,483	428	130	31	99	224	232	64
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,209	136	14	9	69	28	81	19

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,314	135	21	4	57	53	78	12
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	15,035	1,736	284	96	852	519	1,128	209
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	56	4	0	29	15	33	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	29	12	2	0	1	3	8	7
Two Speed Idle (TSI)	Enhanced	Referee	159	79	5	45	32	10	36	49
Two Speed Idle (TSI)	Enhanced	Test and Repair	67,279	3,942	441	184	2,352	912	2,650	359
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,067	44	3	1	30	10	28	3
Two Speed Idle (TSI)	Enhanced	Test Only	122,912	10,075	1,501	444	5,579	2,984	6,223	910
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	132	15	5	0	6	7	8	4
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	138	10	2	0	4	5	4	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	1,091	174	44	14	66	64	110	27
Two Speed Idle (TSI)	Partial	Referee	3	3	1	1	2	2	3	2
Two Speed Idle (TSI)	Partial	Test and Repair	6,411	583	94	32	269	183	376	76
Two Speed Idle (TSI)	Partial	Test Only	3,225	320	62	13	160	103	195	29
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,017	195	44	22	80	73	133	39
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,875	391	92	32	125	180	239	60
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,311	150	35	9	62	54	89	25
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	27	5	1	13	8	17	0
Two Speed Idle (TSI)	Unknown Program	Referee	37	11	4	2	3	6	8	5
Two Speed Idle (TSI)	Unknown Program	Test and Repair	14,834	1,229	165	76	650	355	793	149
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,152	38	1	2	23	4	32	4
Two Speed Idle (TSI)	Unknown Program	Test Only	9,203	609	72	46	357	160	397	82
UnKnown TestType	Basic	Referee	6	40	0	20	0	40	0	21
UnKnown TestType	Change of Ownership	Referee	1	4	0	2	0	4	0	2
UnKnown TestType	Enhanced	Referee	41	185	0	89	0	185	3	106
UnKnown TestType	Partial	Referee	6	17	0	8	0	17	0	8
UnKnown TestType	Unknown Program	Referee	57	89	0	48	0	89	0	51